VOLUME XVI

AUTHOR INDEX

Papers and Technical Notes

Short papers and notes are marked (N) in this index

Author	*Title*	*Page*
BARNETT, V. D.	The behavior of pseudo-random sequences generated on computers by the multiplicative congruential method	63
BATEMAN, PAUL T. & HORN, ROGER A.	A heuristic asymptotic formula concerning the distribution of prime numbers (N)	363
BELLMAN, R. & KOTKIN, B.	On the numerical solution of a differential-difference equation arising in analytic number theory (N)	473
BLUM, E. K.	A modification of the Runge-Kutta fourth-order method	176
BOERSMA, J.	On the computation of Lommel's functions of two variables (N)	232
BRIDGE, JOHN F. & ANGRIST, STANLEY W.	An extended table of roots of $J_n'(x)Y_n'(\beta x) - J_n'(\beta x)Y_n'(x) = 0$.	198
BRILLHART, JOHN	Concerning the numbers $2^{2p} + 1$, p prime	424
BROWN, K. M. & HENRICI, P.	Sign wave analysis in matrix eigenvalue problems	291
BURGOYNE, F. D.	Polynomial approximations to $I_0(x)$, $I_1(x)$ and related functions (N)	497
BURGOYNE, F. D.	A note on the curve fitting of discrete data by economization (N)	498
CANTOR, D. G., ESTRIN, G., FRAENKEL, A. S. & TURN, R.	A very high-speed digital number sieve	141
CARLITZ, L.	The coefficients of the lemniscate function (N)	475
COHN, HARVEY	A numerical study of the relative class numbers of real quadratic integral domains	127
DENMAN, H. H. & ETTINGER, R. C. W.	Note on latent roots and vectors of segments of the Hilbert matrix (N)	370
DIDONATO, A. R. & JARNAGIN, M. P.	A method for computing the circular coverage function	347
DULMAGE, A. L. & MENDELSOHN, N. S.	On the inversion of sparse matrices (N)	494
EPSTEIN, BERNARD	A remark concerning the solution of the Dirichlet problem by finite differences (N)	110
FRASER, W. & GOTLIEB, C. C.	A calculation of the number of lattice points in the circle and sphere	282
FROESE, CHARLOTTE	On solving $y'' = fy + g$ with a boundary condition at infinity (N)	492
GILLIS, J. & SHIMSHONI, M.	Triple product integrals of Laguerre functions	50
GLODEN, A.	Addition to Cunningham's factor table of $n^4 + 1$ (N)	239
GOLUB, Gene H.	Bounds for eigenvalues of tridiagonal symmetric matrices computed by the LR method	438
HANSEN, ELDON R. & PATRICK, MERRELL L.	Some relations and values for the generalized Riemann zeta function	265
HARARY, FRANK	Permutations with restricted position (N)	222
HARPER, W. M.	Quadrature formulas for infinite integrals	170

VOLUME XVI

AUTHOR INDEX

Papers and Technical Notes

Short papers and notes are marked (N) in this index

Author	*Title*	*Page*
BARNETT, V. D.	The behavior of pseudo-random sequences generated on computers by the multiplicative congruential method	63
BATEMAN, PAUL T. & HORN, ROGER A.	A heuristic asymptotic formula concerning the distribution of prime numbers (N)	363
BELLMAN, R. & KOTKIN, B.	On the numerical solution of a differential-difference equation arising in analytic number theory (N)	473
BLUM, E. K.	A modification of the Runge-Kutta fourth-order method	176
BOERSMA, J.	On the computation of Lommel's functions of two variables (N)	232
BRIDGE, JOHN F. & ANGRIST, STANLEY W.	An extended table of roots of $J_n'(x)Y_n'(\beta x) - J_n'(\beta x)Y_n'(x) = 0$.	198
BRILLHART, JOHN	Concerning the numbers $2^{2p} + 1$, p prime	424
BROWN, K. M. & HENRICI, P.	Sign wave analysis in matrix eigenvalue problems	291
BURGOYNE, F. D.	Polynomial approximations to $I_0(x)$, $I_1(x)$ and related functions (N)	497
BURGOYNE, F. D.	A note on the curve fitting of discrete data by economization (N)	498
CANTOR, D. G., ESTRIN, G., FRAENKEL, A. S. & TURN, R.	A very high-speed digital number sieve	141
CARLITZ, L.	The coefficients of the lemniscate function (N)	475
COHN, HARVEY	A numerical study of the relative class numbers of real quadratic integral domains	127
DENMAN, H. H. & ETTINGER, R. C. W.	Note on latent roots and vectors of segments of the Hilbert matrix (N)	370
DIDONATO, A. R. & JARNAGIN, M. P.	A method for computing the circular coverage function	347
DULMAGE, A. L. & MENDELSOHN, N. S.	On the inversion of sparse matrices (N)	494
EPSTEIN, BERNARD	A remark concerning the solution of the Dirichlet problem by finite differences (N)	110
FRASER, W. & GOTLIEB, C. C.	A calculation of the number of lattice points in the circle and sphere	282
FROESE, CHARLOTTE	On solving $y'' = fy + g$ with a boundary condition at infinity (N)	492
GILLIS, J. & SHIMSHONI, M.	Triple product integrals of Laguerre functions	50
GLODEN, A.	Addition to Cunningham's factor table of $n^4 + 1$ (N)	239
GOLUB, Gene H.	Bounds for eigenvalues of tridiagonal symmetric matrices computed by the LR method	438
HANSEN, ELDON R. & PATRICK, MERRELL L.	Some relations and values for the generalized Riemann zeta function	265
HARARY, FRANK	Permutations with restricted position (N)	222
HARPER, W. M.	Quadrature formulas for infinite integrals	170

Author	*Title*	*Page*
HOWELL, JOHN R.	Generation of permutations by addition (N)	243
HURWITZ, ALEXANDER	New Mersenne primes (N)	249
JENNRICH, R. I.	Missing data correlation computations (N)	496
KAMPÉ DE FÉRIET, J. & FRENKIEL, FRANÇOIS N.	Correlations and spectra for non-stationary random functions	1
KNUTH, DONALD E.	Euler's constant to 1271 places	275
LASLETT, L. JACKSON & LEWISH, WILLIAM	Evaluation of the zeros of cross-product Bessel functions (N)	226
LEES, MILTON	A note on the convergence of alternating direction methods	70
LEHMER, D. H., LEHMER, E., MILLS, W. L. & SELFRIDGE, J. L.	Machine proof of a theorem on cubic residues	407
LEVINE, J. & DALTON, R. E.	Minimum periods, modulo p, of first-order Bell exponential integers	416
LIN, Y. K. & LEE, F. A.	Expansions of Jacobian elliptic functions in powers of the modulus (N)	372
LOTTO, GARY	On the generation of all possible stepwise combinations (N)	241
MUROGA, S., TODA, I. & KONDO, M.	Majority decision functions of up to six variables	459
NORDSIECK, ARNOLD	On numerical integration of ordinary differential equations	22
OSBORNE, M. R.	A note on finite difference methods for solving the eigenvalue problems of second-order differential equations	338
PATHRIA, R. K.	A statistical study of randomness among the first 10,000 digits of π	188
PEARCE, R. P. & MITCHELL, A. R.	On finite difference methods of solution of the transport equation	155
RALSTON, ANTHONY	Runge-Kutta methods with minimum error bounds	431
RIESEL, H.	All factors $q < 10^8$ in all Mersenne numbers $2^p - 1$, p prime $< 10^4$ (N)	478
SALZER, HERBERT E.	Multiple quadrature with central differences on one line (N)	244
SALZER, HERBERT E.	Optimum-point formulas for osculatory and hyperosculatory interpolation	356
SALZER, HERBERT E.	Note on osculatory rational interpolation (N)	486
SCHRÖDER, J.	Computing error bounds in solving linear systems	323
SHANKS, DANIEL & WRENCH, JOHN W., JR.	Calculation of π to 100,000 decimals	76
SHAPIRO, H. S.	Some remarks on modular arithmetic and parallel computation (N)	218
SPIELBERG, KURT	Polynomial and continued-fraction approximations for logarithmic functions	205
STALLEY, ROBERT D.	An algorithm for solving certain polynomial equations with coefficient parameters (N)	106
TAMIR, T.	Characteristic exponents of Mathieu functions (N)	100
WATSON, E. J.	Primitive polynomials (Mod 2) (N)	368
WIMP, JET	Polynomial expansions of Bessel functions and some associated functions	446
WUNDERLICH, M.	Certain properties of pyramidal and figurate numbers (N)	482
WYNN, P.	Acceleration techniques for iterated vector and matrix problems	301

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

Author	*Review Number*	*Table Classification*	*Page*
AKIMOVA, M. K.	39	[L]	388
APPEL, KENNETH I.	55	[F]	500
BARK, L. S.	48	[S, V]	398
BENDANIEL, DAVID J.	7	[L]	117
BENNETT, B. M.	20	[K]	252
BENNETT, B. M.	58	[K]	503
BLYTH, COLIN R.	21	[K]	253
BOIS, G. PETIT	44	[M]	391
BOZMAN, W. R.	10	[S]	120
BROUWER, DIRK	46	[Q]	396
CARR, WILLIAM E.	7	[L]	117
CERRILLO, M. V.	41	[I, M]	390
CHARNES, A.	23	[X]	254
CHARNES, A.	51	[W]	401
CHATFIELD, L.	13	[X, Z]	121
CLARK, MICHELLE	28	[Z]	260
CLEMENCE, GERALD M.	46	[Q]	396
COLEMAN, CHARLES DEWITT	10	[S]	120
CONNOR, W. S.	34	[K]	381
COOPER, W. W.	23	[X]	254
COOPER, W. W.	51	[W]	401
D'AGAPEYEFF, A.	28	[Z]	260
DAVISON, J. F.	61	[Z]	506
DEKANOSIDZE, E. N.	36	[L]	383
DIERMER, ANDREAS	52	[W, Z]	402
DODGE, F. T.	43	[M]	391
DRESHER, MELVIN	12	[W, X]	121
DWIGHT, H. B.	42	[L, M]	390
ECKMAN, DONALD P., Editor	25	[Z]	257
EVANS, D. S.	62	[Z]	507
FADDEYEVA, V. N.	37	[L]	384
FORSYTHE, GEORGE E.	32	[I, X]	379
FREIBERGER, W. F., Editor	60	[X]	505
FREVEL, LUDO K.	8	[L]	119
GANSON, P. P.	48	[S, V]	398
GIBBENS, B. J.	28	[Z]	260
GREENBERGER, MARTIN	11	[W]	120
GUEST, P. G.	53	[X]	403
HILLER, LEJAREN, JR.	63	[Z]	507
HSU, P.	20	[K]	252
HSU, P.	58	[K]	503
HUGHES, W. F.	43	[M]	391
HUTCHINSON, DAVID W.	21	[K]	253
ISAACSON, LEONARD M.	63	[Z]	507
JAKOBSON, ROMAN, Editor	24	[X]	256
JOLLEY, L. B. W.	57	[J]	502
JORDAN, CHARLES	33	[I, X]	380
KÄMMERER, WILHELM	14	[Z]	122
KARAMAZINA, L. N.	22	[L]	253
KARPOV, K. A.	38	[L]	384
KAUTZ, W. H.	41	[I, M]	390

Author	*Review Number*	*Table Classification*	*Page*
KENNEDY, LEON	29	[C, D]	376
KIREEVA, I. E.	38	[L]	384
KORBEL, JOHN	11	[W]	120
KORTUM, R.	30	[F]	377
LANGER, RUDOLPH E., Editor	49	[S, X]	399
LAYTON, L.	13	[X, Z]	121
LEDLEY, ROBERT S.	45	[P, Z]	392
LEEDS, HERBERT D.	15	[Z]	123
LIEBERMAN, GERALD J.	1	[C, K, L]	113
LUK'IANOV, A. V.	39	[L]	388
MCCRACKEN, DANIEL D.	26	[Z]	258
MCNIEL, G.	30	[F]	377
MEGGERS, WILLIAM F.	10	[S]	120
MEĬSTER, N. A.	48	[S, V]	398
MITTMAN, BENJAMIN	50	[V, W, Z]	400
MITRINOVIĆ, D. S.	19	[I, X]	252
MITRINOVIĆ, R. S.	19	[I, X]	252
MORRISON, EMILY, Editor	64	[Z]	509
MORRISON, PHILIP, Editor	64	[Z]	509
MURRAY, FRANCIS J.	27	[Z]	258
NATIONAL PHYSICAL LABORATORY	4	[I, X, Z]	115
ORCUTT, GUY H.	11	[W]	120
OSBORN, ROGER	18	[F]	252
OWEN, DONALD B.	1	[C, K, L]	113
PETERSON, W. W.	16	[Z]	123
PROKOF'EV, V. K.	47	[S]	397
RAISKII, S. M.	47	[S]	397
RICHARDS, CHARLES H.	31	[I]	379
RIVLIN, ALICE M.	11	[W]	120
RODDEN, J. J.	5	[K]	116
ROSENTHAL, G. W.	5	[K]	116
ROSSER, J. BARKLEY	55	[F]	500
SAGAN, HANS	9	[L, X]	119
SALZER, HERBERT E.	31	[I]	379
SHERRY, M. E.	40	[L]	389
SHILOV, G. E.	56	[G]	501
SHIMPUKU, TARO	3	[G, S]	114
SIEGEL, PAUL	65	[Z]	510
SMIRNOV, N. V., Editor	35	[K]	381
SMITH, H.	13	[X, Z]	121
SOLODOVNIKOV, V. V.	6	[K, X]	117
STANTON, RALPH G.	2	[G, I, X, Z]	114
TEPLOV, I. B.	39	[L]	388
TERENT'EV, N. M.	37	[L]	384
THOMPSON, PHILIP D.	59	[V]	503
TRIBE, MARION	28	[Z]	260
TURLEY, J. W.	8	[L]	119
UNGAR, ANDREW	17	[Z]	124
UNGAR, ANDREW	50	[V, W, Z]	400
WASOW, WOLFGANG R.	32	[I, X]	379
WEINBERG, GERALD M.	15	[Z]	123
WILLEY, E. L.	28	[Z]	260
YOUNG, SHIRLEY	34	[K]	381

Author	Review Number	Table Classification	Page
ZAIDEL', A. N.	47	[S]	397
ZHURINA, M. I.	22	[L]	253
ZURMÜHL, R.	54	[X]	404

TABLE ERRATA

No.	Author	Title	Page
307	ADAMS, E. P. & HIPPISLEY, R. L.	*Smithsonian Mathematical Formulae and Tables of Elliptic Functions*	126
312	ALLEN, E. S.	*Six-Place Tables*	405
315	CUNNINGHAM, A. J. C. & WOODALL, H. J.	*Factorization of* $(y^n \mp 1)$	511
313	DWIGHT, H. B.	*Tables of Integrals and Other Mathematical Data*	405
308	ERDÉLYI, A., MAGNUS, W., OBERHETTINGER, F. & TRICOMI, F.	*Higher Transcendental Functions*	261
310	FINNEY, D. J.	"The Fisher-Yates test of significance in 2 × 2 contingency tables"	261
316	HOWELL, K. M.	*Revised Tables of 6j-Symbols*	511
317	KAPREKAR, D. R.	*Cycles of Recurring Decimals*	511
311	LATSCHA, R.	"Tests of significance in a 2 × 2 contingency table: extension of Finney's table"	262
309	MULLER, MERVIN E.	"An inverse method for the generation of random normal deviates on large-scale computers"	261
318	SPENCELEY, G. W. & SPENCELEY, R. M.	*Smithsonian Elliptic Functions Tables*	511
314	STERNE, THEODORE E.	*An Introduction to Celestial Mechanics*	405

CORRIGENDA

Author	Title	Page
ASCHER, MARCIA	"Explicit solutions of the one-dimensional heat equation for a composite wall"	126
GREENBERGER, MARTIN	"An *a priori* determination of serial correlation in computer generated random numbers"	126
GREENBERGER, MARTIN	"An *a priori* determination of serial correlation in computer generated random numbers"	406
KRAVITZ, SIDNEY	"Divisors of Mersenne numbers $10{,}000 < p < 15{,}000$"	126
LOWAN, ARNOLD N.	"On the numerical treatment of heat conduction problems with mixed boundary conditions"	263
OSTROWSKI, R. T. & VAN DUREN, K. D.	"On a theorem of Mann on Latin squares"	263
SHANKS, DANIEL	"On numbers of the form $n^4 + 1$"	513
ZAVROTSKY, ANDRES	"Construccion de una escala continua de las operaciones aritmeticas"	262

REVIEWS BY SUBJECT

C. Logarithms

Author/s	Review Number	Title	Page
KENNEDY, LEON	29	*Handbook of Trigonometric Functions—Introducing Doversines*	376
LIEBERMAN, GERALD J. & OWEN, DONALD B.	1	*Tables of the Hypergeometric Probability Distribution*	113

D. Circular Functions

KENNEDY, LEON	29	*Handbook of Trigonometric Functions—Introducing Doversines*	376

F. Theory of Numbers

APPEL, KENNETH I. & ROSSER, J. BARKLEY	55	*Table for Estimating Functions of Primes*	500
KORTUM, R. & MCNIEL, G.	30	*A Table of Periodic Continued Fractions*	377
OSBORN, ROGER	18	*Tables of All Primitive Roots of Odd Primes Less than 1000*	252

G. Higher Algebra

SHILOV, G. E.	56	*An Introduction to the Theory of Linear Spaces*	501
SHIMPUKU, TARO	3	"General theory and numerical tables of Clebsch-Gordan coefficients"	114
STANTON, RALPH G.	2	*Numerical Methods for Science and Engineering*	114

I. Finite Differences, Interpolation

CERRILLO, M. V. & KAUTZ, W. H.	41	*Properties and Tables of the Extended Airy-Hardy Integrals*	390
FORSYTHE, GEORGE E. & WASOW, WOLFGANG R.	32	*Finite-Difference Methods for Partial Differential Equations*	379
JORDAN, CHARLES	33	*Calculus of Finite Differences*	380
MITRINOVIĆ, D. S. & MITRINOVIĆ, R. S.	19	*Sur les nombres de Stirling et les nombres de Bernoulli de l'ordre supérieur*	252
NATIONAL PHYSICAL LABORATORY	4	*Modern Computing Methods*	115
SALZER, HERBERT E. & RICHARDS, CHARLES H.	31	*Tables for Non-linear Interpolation*	379
STANTON, RALPH G.	2	*Numerical Methods for Science and Engineering*	114

J. Summation of Series

JOLLEY, L. B. W.	57	*Summation of Series*	502

K. Statistics

BENNETT, B. M. & HSU, P.	20	*Significance Tests in a 2 × 2 Contingency Table: Further Extension of Finney-Latscha Tables*	252
BENNETT, B. M. & HSU, P.	58	*Significance Tests in a 2 × 2 Contingency Table: Additional Extension of Finney-Latscha Tables*	503
BLYTH, COLIN R. & HUTCHINSON, D. W.	21	*Tables of Neyman Shortest Unbiased Confidence Intervals (a) for the Binomial Parameter (b) for the Poisson Parameter*	253

Author/s	Review Number	Title	Page
CONNOR, W. S. & YOUNG, SHIRLEY	34	*Fractional Factorial Designs for Experiments with Factors at Two and Three Levels*	381
LIEBERMAN, GERALD J. & OWEN, DONALD B.	1	*Tables of the Hypergeometric Probability Distribution*	113
ROSENTHAL, G. W. & RODDEN, J. J.	5	*Tables of the Integral of the Elliptical Bivariate Normal Distribution over Offset Circles,*	116
SMIRNOV, N. V., Editor	35	*Tables for the Distribution and Density Functions of t-Distribution ("Student's" Distribution)*	381
SOLODOVNIKOV, V. V.	6	*Introduction to the Statistical Dynamics of Automatic Control Systems*	117
		L. Higher Mathematical Functions	
BENDANIEL, D. J. & CARR, W. E.	7	*Tables of Solutions of Legendre's Equation for Indices of Nonintegral Order*	117
DEKANOSIDZE, E. N.	36	*Tables of Lommel's Functions of Two Variables*	383
DWIGHT, H. B.	42	*Tables of Integrals and Other Mathematical Data*	390
FADDEYEVA, V. N. & TERENT'EV, N. M.	37	*Tables of Values of the Function* $w(z) = e^{-z^2}\left(1+\frac{2i}{\sqrt{\pi}}\int_0^z e^{t^2}\,dt\right)$, *for Complex Argument*	384
FREVEL, LUDO K. & TURLEY, J. W.	8	*Tables of Iterated Sine-Integral*	119
KIREEVA, I. E., & KARPOV, K. A.	38	*Tablitsy funktsiĭ Vebera, (Tables of Weber Functions)*	384
LIEBERMAN, GERALD J. & OWEN, DONALD B.	1	*Tables of the Hypergeometric Probability Distribution*	113
LUK'ÎANOV, A. V., TEPLOV, I. B. & AKIMOVA, M. K.	39	*Tablitsy solnovykh Kulonovskikh funktsiĭ (funktsiĭ Uittekera) Tables of Coulomb Wave Functions (Whittaker Functions)*	388
SAGAN, HANS	9	*Boundary and Eigenvalue Problems in Mathematical Physics*	119
SHERRY, M. E.	40	*The Zeros and Maxima of the Airy Function and Its First Derivative to 25 Significant Figures*	389
ZHURINA, M. I. & KARAMAZINA, L. N.	22	*Tablitsy funktsiĭ Lezhandra* $P_{-1/2+ir}(x)$,	253
		M. Integrals	
BOIS, G. PETIT	44	*Tables of Indefinite Integrals*	391
CERRILLO, M. V. & KAUTZ, W. H.	41	*Properties and Tables of the Extended Airy-Hardy Integrals*	390
DWIGHT, H. B.	42	*Tables of Integrals and Other Mathematical Data*	390
HUGHES, W. F. & DODGE, F. T.	43	*A Table of J Integrals of Hydrodynamic Lubrication Theory*	391
		P. Engineering	
LEDLEY, ROBERT S.	45	*Digital Computer and Control Engineering*	392
		Q. Astronomy	
BROUWER, DIRK & CLEMENCE, GERALD M.	46	*Methods of Celestial Mechanics*	396

Author/s	Review Number	Title	Page
S. Physics, Geophysics, Crystallography			
BARK, L. S., GANSON, P. P. & MEĬSTER, N. A.	48	*Tablitsy skorosti zvuka v morskoĭ vode (Tables of the Speed of Sound in Sea Water)*	398
COLEMAN, CHARLES D. BOZMAN, WILLIAM R. & MEGGERS, WILLIAM F.	10	*Table of Wavenumbers*, Volumes I & II	120
LANGER, RUDOLPH E., Editor	49	*Partial Differential Equations and Continuum Mechanics*	399
SHIMPUKU, TARO	3	"General theory and numerical tables of Clebsch-Gordan coefficients	114
ZAIDEL', A. N., PROKOF'EV, V. K. & RAISKII, S. M.	47	*Tables of Spectrum Lines*	397
V. Aerodynamics, Hydrodynamics, Ballistics			
BARK, L. S., GANSON, P. P. & MEĬSTER, N. A.	48	*Tablitsy skorosti zvuka v morskoĭ vode (Tables of the Speed of Sound in Sea Water)*	398
MITTMAN, BENJAMIN & UNGAR, ANDREW	50	*Computer Applications—1960*	400
THOMPSON, PHILLIP D.	59	*Numerical Weather Analysis and Prediction*	503
W. Economics and Social Sciences			
CHARNES, A. & COOPER, W. W.	51	*Mangement Models and Industrial Applications of Linear Programming*	401
DIERMER, ANDREAS	52	*Das Wesen der automatisierten elektronischen Datenverarbeitung und ihre Bedeutung für die Unternehmensleitung*	402
DRESHER, MELVIN	12	*Games of Strategy: Theory and Applications*	121
MITTMAN, BENJAMIN & UNGAR, ANDREW	50	*Computer Applications—1960*	400
ORCUTT, GUY H., GREENBERGER, M., KORBEL, JOHN & RIVLIN, ALICE M.	11	*Microanalysis of Socioeconomic Systems: A Simulation Study*	120
X. Numerical Analysis and Applied Mathematics			
CHARNES, A. & COOPER, W. W.	23	*Management Models and Industrial Applications of Linear Programming*	254
DRESHER, MELVIN	12	*Games of Strategy: Theory and Applications*	121
FORSYTHE, GEORGE E. & WASOW, WOLFGANG R.	32	*Finite-Difference Methods for Partial Differential Equations*	379
FREIBERGER, W. F., Editor	60	*International Dictionary of Applied Mathematics*	505
GUEST, P. G.	53	*Numerical Methods of Curve Fitting*	403
JAKOBSON, ROMAN, Editor	24	*Proceedings of Symposia in Applied Mathematics*, Vol. XII, "Structure of Language and its Mathematical Aspects"	256
JORDAN, CHARLES	33	*Calculus of Finite Differences*	380
LANGER, RUDOLPH E., Editor	49	*Partial Differential Equations and Continuum Mechanics*	399

Author/s	Review Number	Title	Page
LAYTON, L., SMITH, H. & CHATFIELD, L.	13	*Proceedings of Executive Seminar on the Use of High-Speed Calculators for the Solution of Naval Problems*	121
MITRINOVIĆ, D. S. & MITRINOVIĆ, R. S.	19	*Sur les nombres de Stirling et les nombres de Bernoulli de l'ordre supérieur*	252
NATIONAL PHYSICAL LABORATORY	4	*Modern Computing Methods*	115
SAGAN, HANS	9	*Boundary and Eigenvalue Problems in Mathematical Physics*	119
STANTON, RALPH G.	2	*Numerical Methods for Science and Engineering*	114
SOLODOVNIKOV, V. V.	6	*Introduction to the Statistical Dynamics of Automatic Control Systems*	117
ZURMÜHL, R.	54	*Praktische Mathematik für Ingenieure und Physiker*	404

Z. Calculating Machines and Mechanical Computation

DAVISON, J. F.	61	*Programming for Digital Computers*	506
DIERMER, ANDREAS	52	*Das Wesen der automatisierten elektronischen Datenverarbeitung und ihre Bedeutung für die Unternehmensleitung*	402
ECKMAN, DONALD P., Editor	25	*Systems: Research and Design*	257
EVANS, D. S.	62	*Digital Data, Their Derivation and Reduction for Analysis and Process Control*	507
HILLER, LEJAREN, JR. & ISAACSON, LEONARD M.	63	*Experimental Music Composition with an Electronic Computer*	507
KÄMMERER, WILHELM	14	*Ziffernrechenautomaten,*	122
LAYTON, L., SMITH, H. & CHATFIELD, L.	13	*Proceedings of Executive Seminar on the Use of High-Speed Calculators for the Solution of Naval Problems*	121
LEDLEY, ROBERT S.	45	*Digital Computer and Control Engineering*	392
LEEDS, HERBERT D. & WEINBERG, GERALD M.	15	*Computer Programming Fundamentals*	123
MCCRACKEN, DANIEL D.	26	*A Guide to FORTRAN Programming*	258
MITTMAN, BENJAMIN & UNGAR, ANDREW	50	*Computer Applications—1960*	400
MORRISON, PHILIP & MORRISON, EMILY, Editors	64	*Charles Babbage and His Calculating Engines*	509
MURRAY, FRANCIS J.	27	*Mathematical Machines*	258
NATIONAL PHYSICAL LABORATORY	4	*Modern Computing Methods*	115
PETERSON, W. W.	16	*Error-Correcting Codes*	123
SIEGEL, PAUL	65	*Understanding Digital Computers*	510
STANTON, RALPH G.	2	*Numerical Methods for Science and Engineering*	114
UNGAR, A., Editor	17	*Proceedings of the 1959 Computer Applications Symposium*	124
WILLEY, E. L., TRIBE, MARION, D'AGAPEYEFF, A., GIBBENS, B. J. & CLARK, MICHELLE	28	*Some Commercial Autocodes*	260